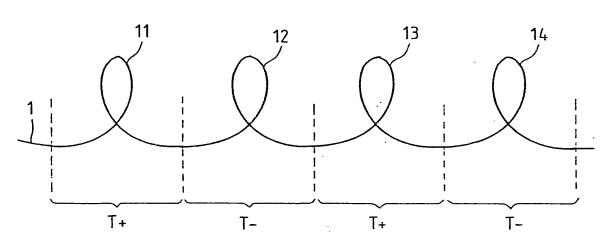
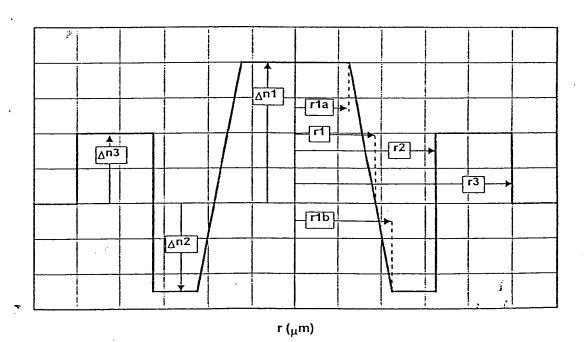
1/15

FIG\_1



FIG\_2



2 / 15 FIG\_3

	r <sub>10</sub> (μm)	r, (μm)	r <sub>1ь</sub> (µm)	r <sub>2</sub> (μm)	r <sub>3</sub> (μm)	10³∆n₁	10³∆n₂	10³∆n₃
li li	2.81	2.81	2.81	5.27	7.03	9.50	-5.00	2.50
2i	3.19	3.19	3.19	5.74	7.98	9.00	-6.50	6.00
. 3i	2.85	2.85	2.85	5.56	7.12	9.00	-4.50	3.00
4i	3.19	3.19	3.19	5.32	8.86	8.50	-7.50	2.50
5i	3.05	3.05	3.05	5.09	8.49	9.50	-6.00	3.00
6i	2.94	2.94	2.94	6.33	9.17	9.00	-4.00	3.50
7i	2.96	2.96	2.96	5.56	7.41	10.00	-6.00	6.00
8i	3.09	3.09	3.09	5.10	7.73	10.00	-8.00	4.50
9i	2.96	2.96	2.96	5.67	8.22	9.50	-5.50	3.50
10i	3.12	3.12	3.12	5.62	7.80	9.50	-7.50	5.50

FIG\_4

	Var Ray (%)	λ <sub>ειհ</sub> nm	2W <sub>02</sub> μm	S₌ µm²	λ <sub>o</sub> nm	C ps/nm-km	C' ps/nm²-km	PC <sub>1625</sub> dB 100 tums \$\phi=60 mm	$S_{\mu\epsilon}$
10	0.91%	1146	6.74	35.4	1478	1.0	0.0100	<3.10 <sup>-4</sup> .	0.37
16	-0.91%	1018	6.76	35.5	1764	-1.0	0.0071	< 2.10 <sup>-3</sup>	0.48
2a	0.85%	1808	7.11	41.3	1434	1.0	0.0040	< 3.10 <sup>-7</sup>	0.23
2b	-0.85%	1778	7.14	41.7	1662	-1.0	0.0037	<2.10-6	0.29
3a	2.78%	1051	6.92	37.4	1416	3.0	0.0139	<5.10-4	0.43
3Ь	-2.78%	996	7.00	38.0	1815	-3.0	0.0060	<9.10-2	1.00
4a	3.73%	1727	7.00	39.5	1336	5.0	0.0015	<6.10 <sup>-5</sup>	0.35
4b	-3.73%	1604	7.10	40.7	1835	-5.0	-0.0142	<8.10 <sup>-2</sup>	1.04
5o	4.75%	1801	6.96	38.7	1364	5.0	0.0148	<2.10 <sup>-10</sup>	0.11
5b	-4.75%	1639	7.10	40.0	1726	-5.0	0.0133	<10 <sup>-7</sup>	0.33
 , 6a	3.90%	1849	6.98	38.4	1357	5.0	0.0064	<4.10 <sup>-6</sup>	0.25
6b	-3.90%	1711	7.09	39.6	1828	-5.0	-0.0118	<9.10 <sup>-3</sup>	0.74
7a	4.31%	1774	6.69	35.8	1352	5.0	0.0096	<6.10 <sup>.11</sup>	0.09
7b	-4.31%	1628	6.77	36.6	1787	-5.0	0.0020	<3.10 <sup>-6</sup>	0.26
80	6.90%	1851	6.71	36.6	1314	8.0	0.0137	<9.10-14	0.06
8ь	-6.90%	1614	6.84	37.8	1785	-8.0	0.0061	<5.10 <sup>-6</sup>	0.29
90	6.60%	1773	6.74	36.3	1321	8.0	0.0140	<3.10 <sup>-9</sup>	0.13
9b	-6.60%	1561	6.87	37.4	1853	-8.0	-0.0100	<9.10.3	0.70
10a	6.80 %	1866	6.73	37.1	1298	9.5	0.0116	<7.10-11	0.27
10ь	<del></del>	1615	6.87	38.6	1833	-9.5	-0.0108	<3.10.3	0.60

<u>FIG\_5</u>

	r <sub>10</sub> (μm)	r, (µm)	r <sub>16</sub> (µm)	r <sub>2</sub> (μm)	r <sub>3</sub> (μm)	10 <sup>3</sup> Δn <sub>1</sub>	10³∆n₂	10³∆n₃
11i	2.98	3.11	3.21	5.08	7.53	9.45	-8.85	3.70
12i	2.54	3.02	3.28	6.05	7.90	9.95	-5.30	5.65
13i	2.80	3.09	3.22	5.85	8.36	9.20	-4.20	4.35
14i	2.79	3.07	3.29	5.39	7.38	9.15	-7.35	4.20
15i	2.43	3.08	3.35	5.69	8.82	10.00	-4.25	3.35

FIG\_6

	Var Ray (%)	λ <sub>αհ</sub> nm	2W <sub>02</sub> μm	S <sub>eff</sub> µm²	λ <sub>o</sub> nm	C ps/nm-km	C' ps/nm²-km	PC <sub>1625</sub> DB 100 turns \$=60 mm	$S_{\mu\epsilon}$
11a	6.47%	1.682	6.66	36.1	1310	8.0	0.0103	<2.10 <sup>.9</sup>	0.12
116	-6.47%	1486	6.77	37.0	1866	-8.0	-0.0113	<7.10 <sup>-3</sup> .	0.66
120	6.49%	1836	6.62	34.9	1326	8.0	0.0131	<2.10 <sup>-10</sup>	0.09
12b	-6.49%	1621	6.74	35.8	1867	-8.0	-0.0153	<2.10 <sup>-3</sup>	0.51
13a	2.85%	1808	7.14	40.3	1405	3.0	0.0128	<4.10 <sup>-8</sup>	0.18
13b	-2.85%	1708	7.24	41.5	1689	-3.0	0.0124	<2.10-5	0.36
140	2.30%	1561	6.75	36.4	1371	3.0	0.0003	<5.10 <sup>-5</sup>	0.31
14b	-2.30%	1491	6.79	36.9	1874	-3.0	-0.0096	<6.10 <sup>-3</sup>	0.62
150	0.88%	1806	6.86	36.7	1465	1.0	0.0070	<2.10 <sup>-8</sup>	0.15
15b	-0.88%	1774	6.88	36.9	1697	-1.0	0.0049	<2.10 <sup>-7</sup>	0.19

µm²         µm²         µm²         pylmm,km         pylmm,km </th <th></th> <th></th> <th>8</th> <th>Sell</th> <th>S</th> <th>O</th> <th>O</th> <th>U</th> <th>U</th> <th>PC10mm</th> <th>PC10mm</th> <th>PC10nm</th> <th>PC30mm</th> <th>PC30mm</th> <th>PC30mm</th>			8	Sell	S	O	O	U	U	PC10mm	PC10mm	PC10nm	PC30mm	PC30mm	PC30mm
4400 mm         1530 mm         1675 mm         1575 mm         1530 mm         1675 mm         1675 mm         1575 mm         1550 mm <t< td=""><td>1</td><td>7,007</td><td>11117</td><td>LIM2</td><td>µm²</td><td>ps/nm·km</td><td>ps/nm-km</td><td>րs/ուո.km</td><td>ps/nm·km</td><td>dB/m</td><td>dB/m</td><td>dB/m</td><td>dB/m</td><td>dB/3≠</td><td>d8/ AT</td></t<>	1	7,007	11117	LIM2	µm²	ps/nm·km	ps/nm-km	րs/ուո.km	ps/nm·km	dB/m	dB/m	dB/m	dB/m	dB/3≠	d8/ AT
31.5         31.4         39.6         43.1         .0.4         0.4         1.5         1.7         <5         <50         <10.05         <1.10.5         <5.10.3           31.4         33.1         40.1         44.0         .2.1         .1.5         .0.7         .0.5         <10		1460 nm	1500 anı	1625 nm	1675 nm	1460 nm	1500 nm	1625 nm	1675 nm	1550 nm	1625 nm	1675 ກກາ	1550 ոm	1625 ກກາ	1675 ուո
31.1         40.1         40.0         -7.1         -1.5         0.7         -0.5         < 10         <50         < 1.05         < 1.10-5         < 5.10-3         < 1.10-4   <	1.3	31.5	33.1	39.6	43.1	4.0.	0.4	1.5	1.7	<5	<50	< 100	<1.10.5	<5.10.3	<0.01
36.3         38.3         47.2         52.2         0.4         0.7         1.4         1.9         <5         <50         <50         <110.5         <110.4           36.3         38.5         48.2         53.7         .1.5         .1.2         .0.5         0.3         <5	É	31.4	33.1	40.1	44.0	-2.1	-1.5	-0.7	-0.5	<10	. 05>	<150	<1.10.5	<5.10-3	<2
36.5         48.2         53.7         .1.5         .1.2         .0.5         <55         <50         <50         <10.0-5         <10.0-5         <10.0-4           33.4         35.0         41.6         45.2         1.2         3.8         4.1         <5	20	36.3	38.3	47.2	52.2	0.4	0.7	1.4	1.9	<5	<50	<50	<1.10.5	<1.10.4	<1.10.3
33.4         35.0         41.6         45.2         1.2         2.2         3.8         4.1         <5         <50         <100         <110.5         <5.10.3           33.1         35.1         43.6         48.5         3.9         3.4         3.7         2.4         <50	233	36.3	38.5	48.2	53.7	-1.5	.1.2	-0.5	0.3	<5	<50	<50	<1.10.5	<1.10.4	<1.10.3
33.1         35.1         43.6         48.5         .3.4         .2.7         .2.4         <50         <500         <50.04         <50.04           35.6         37.2         43.9         47.8         4.1         4.7         4.7         4.2         <5	3c	33.4	35.0	41.6	45.2	1.2	2.2	3.8	4.1	<5	<50	< 100	<1.10.5	<5.10.3	<0.05
35.6         37.2         43.9         47.8         4.1         4.7         4.7         4.2         <5         <50         <110.5         <110.4         <110.4           35.0         37.2         47.8         54.2         -4.1         -4.4         -6.0         -6.1         <50	e e	33.1	35.1	43.6	48.5	-3.9	-3.4	.2.7	-2.4	<50	<200	009>	<5.10-4	-0.1	<2
35.0         37.2         47.8         54.2         -4.1         -6.0         -6.1         -5.0         < 650         < 600         < 5.10-4         < 0.1           34.8         36.4         42.8         46.2         3.3         4.2         5.9         6.5         < 50	r c	35.6	37.2	43.9	47.8	4.1	4.7	4.7	4.2	<5	<50	< 100	<1.10-5	<1.10.4	<5,10.3
34.8         36.4         42.8         46.2         3.3         4.2         5.9         6.5         6.5         6.5         6.5         6.0         6.0         6.0         6.0         6.0         6.0         6.5         6.3         6.5         6.0         6.0         6.10.4         6.10.4         6.0         6.0         6.5         6.0         6.0         6.10.4         6.1         6.0         6.10.4         6.1         6.2         6.2         6.2         6.2         6.2         6.1         6.1         6.2         6.2         6.2         6.1         6.1         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.1         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2         6.2	ą	35.0	37.2	47.8	54.2	-4.1	-4,4	0.9-	-6.1	<50	<250	> 009	<5.10.4	<0.1	<2
34.3         36.6         46.4         51.9         -6.0         -5.6         -3.7         -2.2         <5         50         <50         <110-5         <110-4           34.6         36.6         46.4         3.7         4.5         5.0         4.7         <5	Şo	34.8	36.4	42.8	46.2	3.3	4.2	5.9	6.5	<5	<50	<50	<1.10-5	<1.10.4	<1,10.3
34.6         36.1         42.7         46.4         3.7         4.5         5.0         4.7         <5         <50         <50         <110.5         <110.5         <110.4           34.1         36.3         46.5         5.7         -4.4         5.8         -5.8         -50         <50	ક્ક	34.3	36.6	46.4	51.9	0.9-	-5.6	-3.7	.2.2	<5	<50	<50	<1.10.5	<1.10.4	<1.10.3
34.1         36.3         46.5         52.7         .4.4         .4.5         .5.8         .5.8         <20         <150         <5.10-5         <0.055           32.4         33.8         39.5         42.6         3.6         4.4         5.5         5.7         <5	- og	34.6	36.1	42.7	46.4	3.7	4.5	5.0	4.7	<5	<50	<50	<1.10.5	<1.10.4	<1,10.3
32.4         33.8         42.6         3.6         4.4         5.5         5.7         <5         <50         <50         <1.10-5         <1.10-4           31.7         33.6         42.2         47.0         -5.1         -4.7         -4.0         <5	qg qq	34.1	36.3	46.5	52.7	٠4.4	-4.5	-5.8	.5.8	<20	<150	< 600	<5.10.5	<0.05	<2
31.7         33.6         42.2         47.0         -5.1         -4.7         -4.0         <5         <50         <50         <1.10-5         <1.10-4           33.5         34.8         39.9         42.6         6.2         7.2         8.7         9.0         <5	102	32.4	33.8	39.5	42.6	3.6	4.4	5.5	5.7	<5	<50	<50	<1.10.5	<1.10.4	<1.10.3
33.5         34.8         39.9         42.6         6.2         7.2         8.7         9.0         <5         <50         <50         <1.10-5         <1.10-4           32.3         34.5         44.3         49.9         -8.3         -8.2         -7.1         -5.7         <5	76	31.7	33.6	42.2	47.0	-5.2	.5.1	-4.7	-4.0	<5	<50	<50	<1.10.5	<1.10.4	<1.10.3
32.3         34.5         44.3         49.9         -8.3         -7.1         -5.7         <5         <50         <50         <1.10-5         <1.10-4           33.2         34.5         39.6         42.3         6.1         7.1         8.6         8.7         <5	89	33.5	34.8	39.9	42.6	6.2	7.2	8.7	0.6	<5	<50	<50	<1,10.5	<1.10.4	<1.10.3
33.2         34.5         39.6         42.3         6.1         7.1         8.6         8.7         <5         <50         <50         <1.10-5         <1.10-4           32.0         34.1         44.0         49.8         -7.3         -7.5         -8.5         -8.3         <15	8	32.3	34.5	44.3	49.9	-8.3	-8.2	.7.1	-5.7	<5	<50	<50	<1.10-5	<1.10.4	<1.10.3
32.0         34.1         44.0         49.8         -7.3         -7.5         -8.5         -8.3         <15         <150         <600         <5.10-5         <0.05           34.0         35.2         40.1         42.8         7.7         8.7         9.9         9.9         <5	961	33.2	34.5	39.6	42.3	6.1	7.1	8.6	8.7	<5	<50	<50	<1.10-5	<1.10.4	<1.10.3
34.0         35.2         40.1         42.8         7.7         8.7         9.9         9.9         6.9         6.5         6.10.4         6.110.5         6.110.4           32.5         34.8         45.7         52.3         -8.3         -8.8         -9.9         -9.2         <15	9,6	32.0	34.1	44.0	49.8	-7.3	-7.5	-8.5	-8.3	<15	<150	009>	<5.10.5	<0.05	<2
32.5 34.8 45.7 52.3 -8.3 -8.8 -9.9 .9.2 <15 <100 <600 <1.10.5 <5.10.3	100	34.0	35.2	40.1	42.8	7.7	8.7	6.6	6.6	<5	<50	<50	<1.10.5	<1.10.4	<1,10-3
	101	32.5	34.8	45.7	52.3	-8.3	-8.8	6.6-	.9.2	<15	< 100	009>	<1.10.5	<5.10.3	<2

F1G\_7

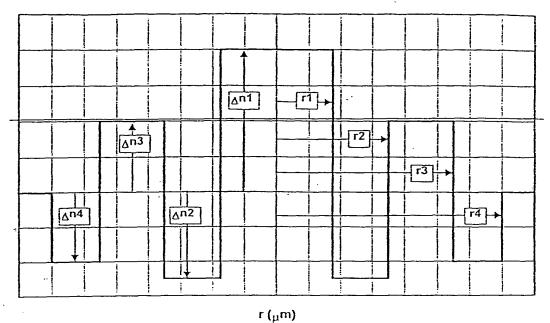
	, .	S.«	S."	Seff	2	υ	U	U	PC10mm	PC10mm	PC10mm	PC30mm	PC30mm	PC30mm
	, m,	Lim2	Lin3	tun,	ps/nm-km	ps/nm·km	ps/nm·km	ps/nm-km	· ш/др	m/8p	dB/m	dB/m	48/₩	74/Bb
-	1460 mm	1500 nm	1625 nm	1675 nm	1460 nm	1500 nm	1625 nin	1675 ուու	1550 nm	1625 ոտ	1675 ոm	1550 ուո	1625 nm	1675 nm
°C	33.1	34.3	39.4	42.1	6.4	7.3	8,4	8.3	<5	05>	<50	<1.10.5	<1.10.4	<1.10-3
9	31.8	33.9	43.4	49.1	.7.1	-7.4	-8.6	-8.5	<15	< 100	< 600	<0.00005	<0.05	<2.0
120	32.0	33.2	38.1	40.7	6.1	7.1	8.6	8.5	<5	<50	<50	<1,10.	<1.10.4	<1.10-3
12b	30.7	32.8	42.1	47.7	.7.0	-7.3	-8.9	0.6-	o1 v	< 100	<200	<1.10	<5.10-3	<2.0
130	35.8	37.7	45.3	49.5	1.5	2.3	3.9	4.6	<5	. <50	<50	<1.10.5	<1.10.4	<1.10.3
135	35.7	38.0	48.1	53.8	-4.1	-3.6	-1.8	-0.4	<5	<50	< 100	<1.10.5	<1.10-4	<1.10.3
1.fc	32.7	34.2	40.6	44.3	2.3	2.8	2.7	2.3	<5	<50	< 100	<1.10.5	<1.10.4	<5.10.3
=	32.3	34.1	42.4	47.2	.2.7	.2.7	.3.8	-4.3	<15	<100	· 009>	<0.00005	<0.05	<2.0
150	32.5	34.2	41.3	45.2	-0.1	0.5	1.4	1.7	<5	<50	<50	<1.10.3	<1.10.4	<1.10.3
15b	32.4	34.2	41.9	46.2	1.8	.1.3	.0.7	-0.3	<5	<50	<50	<1.10 <sup>-5</sup>	<1.10.4	<1.10.3

716.8

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	San	S <sub>eff</sub>	S <sub>eff</sub>	S <sub>eff</sub>	ΔS <sub>eff</sub>	С	С	·c	С	С	ΔC
	hw;	hw <sub>2</sub>	hw <sub>3</sub>	μω²	µm²	ps/nm-km	ps/nm-km	ps/nm-km	ps/nm-km	ps/nm-km	ps/n/m-km
	1460 nm	1500 nm	1625 nm	1675 nm	From 1460 nm to 1625	1460 nm	1500 nm	1550 nm	1625 nm	1675 nm	From 1460 nm to 1625 nm
1 m	31.5	33.1	39.9	43.6	8.4	-1.25	-0.56	0.0	0.42	0.58	1.7
2m	36.3	38.4	47.7	53.0	11.4	-0.55	-0.23	0.0	0.43	1.11	1.0
3m	33.2	35.0	42.6	46.9	9.4	-1.34	-0.62	0.0	0.55	0.85	1.9
4m	35.3	37.2	45.9	51.0	10.6	0.03	0.18	0.0	-0.64	-0.95	-0.7
5m	34.6	36.5	44.6	49.1	10.0	-1.38	-0.71	0.0	1.12	2.13	2.5
6m	34.3	36.2	44.6	49.6	10.3	-0.38	-0.04	0.0	-0.38	-0.56	0.0
?m	32.0	33.7	40.8	44.8	8.8	-0.81	-0.35	0.0	0.40	0.83	1.2
8m	32.9	34.6	42.1	46.3	9.2	-1.02	-0.51	0.0	0.83	1.65	1.9
çm.	32.6	34.3	41.8	46.1	9.2	-0.62	-0.22	0.0	0.07	0.22	0.7
10m	33.2	35.0	42.9	47.5	9.7	-0.31	-0.07	0.0	0.04	0.32	0.3
11m	32.4	34.1	41.4	45.6	9.0	-0.36	-0.08	0.0	-0.12	-0.08	0.2
12m	31.3	33.0	40.1	44.2	8.7	-0.48	-0.11	0.0	-0.17	-0.22	0.3
13m	35.8	37.8	46.7	51.7	11.0	-1.32	-0.66	0.0	1.06	2.07	2.4
14m	32.5	34.2	41.5	45.7	9.0	-0.18	0.06	0.0	-0.58	-1.02	-0.4
15m	32.5	34.2	41.6	45.7	9.1	-0.96	-0.41	0.0	0.35	0.69	1.3

FIG\_10



FIG\_11

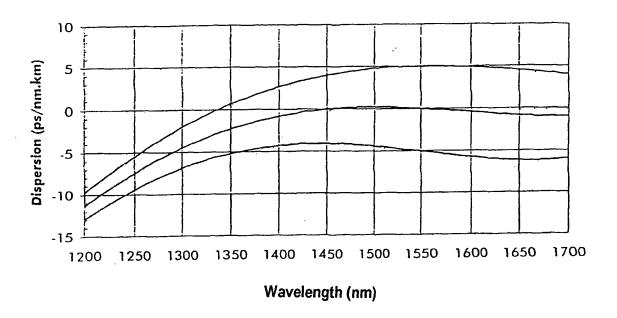
	r <sub>1</sub> (μm)	r <sub>2</sub> (µm)	r <sub>3</sub> (μm)	r₄ (μm)	10³∆n₁	10³∆n₂	10³∆n₃	10³Δn₄
16i	2.74	6.93	11.70	14.44	9.50	-2.50	3.00	-4.50
17i	3.06	4.90	11.04	12.24	9.80	-6.80	2.21	-3.59
18i	3.21	5.70	9.13	13.44	8.86	-7.70	5.00	-3.00
19i	2.90	6.21	11.17	13.79	9.50	-3.50	3.00	-3.50
20i	3.29	5.74	10.40	11.95	8.00	-6.50	3.00	-3.50
21i	3.00	5.57	11.14	14.29	9.50	-4.00	3.00	-5.00
22i	2.67	6.32	12.22	14.05	9.50	-3.00	1.50	-5.00
23i	2.78	6.36	11.13	13.25	9.50	-4.00	2.50	-4.50
24i	3.29	5.74	10.40	11.96	8.00	-6.50	3.00	-3.50
_25i	3.07	5.87	10.67	13.34	9.30	-5.80	3.80	-7.60

	Var Ray (%)	λ <sub>ah</sub> nm	2W <sub>02</sub> μm	S <sub>eff</sub> μm²	λ <sub>0</sub> nm	C ps/nm-km	C' ps/nm².km	PC <sub>1625</sub> dB 100 tums $\phi$ =60 mm	$S_{\mu\epsilon}$
16a	2.60%	1695	6.97	37.5	1411	3.0	0.0094	<2.10 <sup>-10</sup>	0.23
16b	-2.60%	1610	7.04	38.3	1748	-3.0	0.0011	<10 <sup>-7</sup>	0.45
17a	6.03%	1848	6.81	37.1	1330	7.0	0.130	<8.10 <sup>-17</sup>	0.08
17b	-6.03%	1640	6.94	38.3	1780	-7.0	0.0026	<3.10-7	0.3
18a	4.26%	1659	6.96	40.0	1328	5.0	0.0048	<2.10 <sup>-11</sup>	0.21
18b	-4.26%	1525	7.09	42.2	1700	-5.0	0.0117	<4.10-5	0.64
19a	5.06%	1790	6.94	37.8	1351	6.0	0.0005	<2.10 <sup>-13</sup>	0.13
19b	-5.06%	1619	7.07	39.4	1763	-6.0	-0.0001	<6.10 <sup>-6</sup>	0.45
20a	2.35%	1698	7.31	43.4	1359	3.0	-0.0006	<7.10 <sup>-7</sup>	0.55
20ь	-2.35%	1621	7.41	44.9	1731	-3.0	-0.0034	<2.10 <sup>-3</sup>	1.09
21a	0.97%	1707	7.13	40.1	1476	1.0	0.0124	<3.10 <sup>-13</sup>	0.16
216	-0.97%	1675	7.16	40.5	1612	-1.0	0.0134	<7.10 <sup>-10</sup>	0.19
22a	2.73%	1295	6.81	35.7	1422	3.0	0.0135	<3.10 <sup>-8</sup>	0.34
22b	-2.73%	1228	6.88	36.2	1793	-3.0	0.0036	<9.10-4	0.77
230	4.84%	1531	6.70	35.1	1352	6.0	0.0114	<3.10-10	0.21
23b	-4.84%	1391	6.79	35.9	1852	-6.0	-0.0124	<3.10 <sup>-3</sup>	0.9
240	3.13%	1712	7.31	43.4	1345	4.0	0.0008	<3.10 <sup>-7</sup>	0.49
24b	-3.13%	1609	7.43	45.3	1738	-4.0	-0.0025	<4.10 <sup>-3</sup>	1.22
250	6.46%	1731	6.9	38.1	1311	8.0	0.0090	<2.10 <sup>-14</sup>	0.12
25ь	-6.46%	1523	7.0	40.4	1728	-8.0	0.0118	<3.10 <sup>-5</sup>	0.62

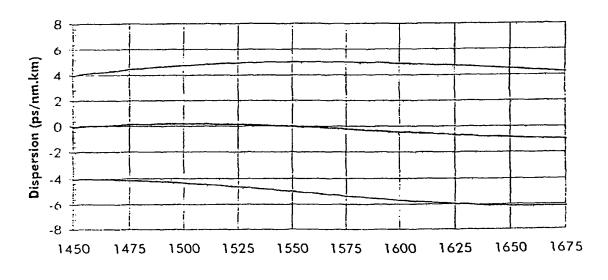
	_									-/												
PC30mm	4B/m	1675 ոm	<1.10 <sup>-3</sup>	<0.01	<1.10 <sup>-3</sup>	<1.10 <sup>-3</sup>	<1.10.3	<0.05	<1.10.3	<5.10 <sup>-3</sup>	<0.05	<2.0	<1.10.3	<1.10.3	<5.10 <sup>-3</sup>	<2.0	<1.10 <sup>-3</sup>	< 2.0	< 0.01	<2.0	<1.10 <sup>3</sup>	<0.05
PC30mm	4B/₩	1625 nm	<1.10	<5.10 <sup>-3</sup>	<1.10	<1.10.4	<1,10.4	<5.10.3	<1.10.4	<5,10 <sup>-3</sup>	<5.10 <sup>-3</sup>	<0.05	<1.10.4	<1.10.4	<1.10.4	<0.05	<1.10.4	<0.1	<5.10 <sup>-3</sup>	<0.1	×1.10.4	<5.10 <sup>-3</sup>
PC30mm	dB/m	1550 ການ	<1.10.5	<1.10.5	<1.10.5	<1.10.5	<1.10.5	<1,10.5	<1,10.5	<1.10.3	<1,10.5	<5.10.4	<1.10.5	<1,10.5	<1.10.5	<1,10.4	<1.10.5	<5.10.4	<1.10.5	<5.10.4	<1.10-5	<1.10.5
PC10mm	dB/m	1675 ուո	<50	< 100	< 50	<50	<50	< 100	<50	< 100	<150	009>	<50	<50	<50	<200	<50.	009>	< 150	<600	<50	< 100
PC10mm	dB/m	1625 ոm	<50	<50	<50	<50	<50	<50	<50	<50	<50	<200	<50	<50	<50	×100	<50	<150	<50	<250	<50	<50
PC10mm	dB/m	1550 ոm	<5	<b>^</b> 5	<5	<5	<5	01>	<\$	<5	<10	<50	<5	<5	<5	<15	<5	<20	< 10	<50	<5	<5
U	ps/nm·km	1675 ກກາ	3.6	-2.2	7.9	.5.3	5.7	-1.4	9.9	-4.3	2.9	-2.0	3.2	1.8	3.9	-2.6	6.1	-7.0	3.9	.2.6	8.4	-3.6
U	ps/nm·km	1625 ուո	3.4	-2.8	7.7	-6,4	5.3	-3.4	6.5	-5.5	2.9	-2.9	2.1	0.3	3.7	.2.8	6.3	6.9.	3.9	.3.7	8.3	-6.1
U	ps/nm·km	1500 nm	2.3	-3.2	6.2	.7.1	4.7	-5.4	5.2	.6.0	2.9	-2.8	0.3	-1.6	2.1	-3.3	5.2	-5.5	3.8	-3.8	7.4	-8.3
U	րչ/ուու-kւո	1460 nm	1.5	-3.5	5.2	-7.1	4.2	-5.5	4.3	0.9-	2.5	.2.8	-0.3	-2.2	1.2	-3.8	4.3	.5.3	3.3	-3.7	6.5	-8.3
Sall	μm³	1675 nm	45.9	49.5	42.8	49.0	48.9	56.4	45.1	52.2	54.7	60.2	50.0	51,3	43.1	46.1	41.6	47.1	54.0	61.4	44.9	54.9
Soli	fuur	1625 nm	42.0	44.3	39.9	43.7	44.8	49.9	41.8	46.2	49.4	53.0	45.5	46.4	39.7	41.5	38.6	41.8	49.0	53.7	41.7	48.2
Sell	tun,	1500 חווו	35.1	35.3	34.7	34.3	37.5	38.3	35.7	35.9	40.5	40.9	37.3	37.4	33.5	33.5	33.2	33.0	40.5	41.1	36.0	36.5
Sid	11111	1460 חווו	33.5	33.2	33.3	32.2	35.9	35.7	34.2	33.6	38.5	38.4	35.4	35.3	32.0	31.6	31.9	31.0 ;	38.6	38.4	34.7	33.9
			10.5	161	17a	17.1	180	6 6	190	191	300	201	210	21b	220	22b	230	7.31.	2.40	2:4b	250	25b

	н°S	**S	S <sub>eff</sub>	Seff	Δ٥,4	U	С	S	U	۷C
	μm³	μm²	μm²	μmz	μm²	my-mu/sd	ps/nm-km	ps/nm·km	րs/ուտ-km	րչ/ուս-kա
	1460 nm	1500 nm	1625 nm	1675 nm	From 1460 nm to 1625 nm	1460 nm	1500 nm	1625 nm	1675 nm	From 1460 nm to 1625 nm
16m	33.4	35.2	43.2	47.7	9.8	-1.02	-0.41	0:30	0.67	1.3
17m	32.8	34.5	41.8	45.9	9.0	-0.98	-0.46	0.65	1.33	1.6
18m	35.8	37.9	47.3	52.7	11.6	-0.66	-0.35	0.94	2.13	1.6
19m	33.9	35.8	44.0	48.7	10.1	-0.87	-0.37	0.50	1.15	1.4
20m	38.4	40.7	51.2	57.5	12.8	-0.12	0.04	0.00	0.47	0.1
21m	35.3	37.3	45.9	50.7	9.01	-1.25	-0.65	1.20	2.48	2.5
22m	31.8	33.5	40.6	44.6	8.8	-1.33	-0.58	0.43	0.66	1.8
23m	31.5	33.1	40.2	44.4	8.8	-0.53	-0.12	-0.28	-0.45	0.2
24m	38.5	40.8	51.4	57.7	12.9	-0.19	-0.01	0.11	0.65	0.3
25m	34.3	36.3	45.0	49.9	10.7	-0.87	-0.47	1.11	2.39	2.0

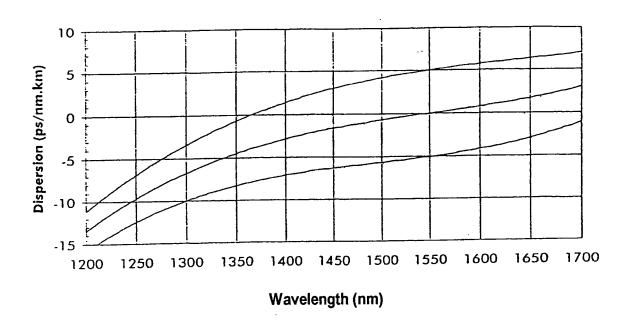
FIG\_15



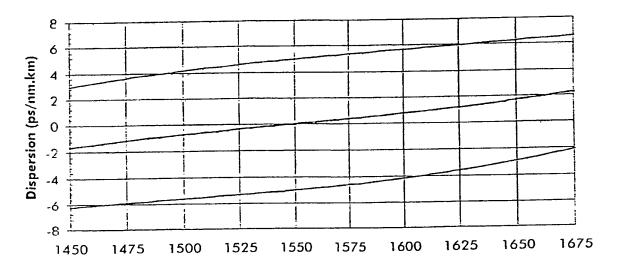
FIG\_16



FIG\_17

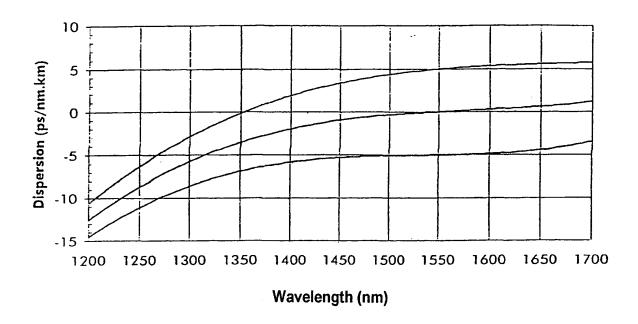


FIG\_18

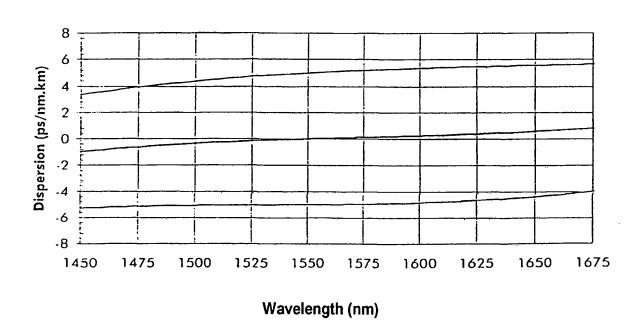


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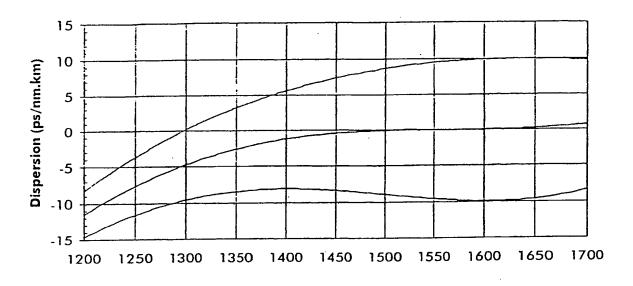
FIG\_19



FIG\_20

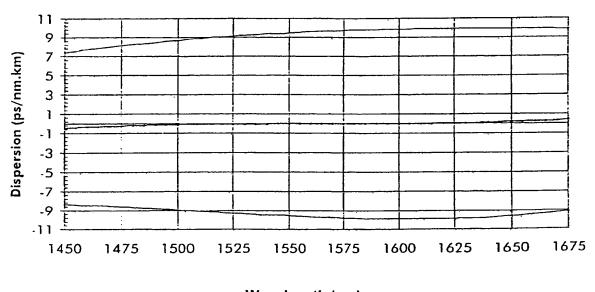


FIG\_21

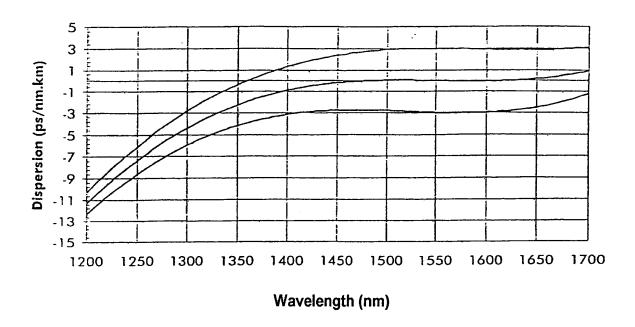


Wavelength (nm)

FIG\_22



FIG\_23



FIG\_24

